ABSTRACT OF THE DISCLOSURE

MULTI-CARRIER TRAFFIC ALLOCATION ENHANCEMENTS
TO REDUCE ACCESS FAILURES AND TO WORK ACROSS BANDS

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The carrier determination algorithm (CDA) used in multi carrier traffic allocation in mobile wireless digital telephony is enhanced. Access failure rates are reduced by the enhancements. One technique is based on selecting the originating carrier if capacity is available on that carrier. Availability of resources

10   on other sections is also considered in selecting a carrier frequency, as is which carriers are data-filled with the same priority when carrier priorities are considered. Consideration is also given to possible alternative band carriers if in-band carriers do not have adequate capacity.